



IFW

PATENT APPLICATION  
Docket No.: 301500.1004-123

## UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Oleg Kishkovich, Robert W. Rezuze and Devon Kinkad

Application No.: 10/647,656 Filed Date: August 25, 2003

Confirmation No. 2132 Group: 1724 Examiner: Not Assigned

For: Filters Employing Porous Strongly Acidic Polymers

CERTIFICATE OF MAILING	
I Hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450	
on <u>June 16, 2004</u>	<u>Mary P. McDermott</u>
Date	Signature
<u>MARY P. McDERMOTT</u>	
Typed or printed name of person signing certificate	

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

This Information Disclosure Statement is submitted:

- ☐ under 37 CFR 1.129(a), or  
(First/Second submission after Final Rejection)
- ☒ under 37 CFR 1.97(b), or  
(Within any one of the following time periods: three months of filing national application (other than a CPA) or date of entry of the national stage in an international application; or before the mailing date of a first office action on the merits in a non-provisional application, including a CPA, or a Request for Continued Examination).
- ☐ under 37 CFR 1.97(c) together with either:  
☐ a Statement under 37 CFR 1.97(e), as checked below, or  
☐ a \$180.00 fee under 37 CFR 1.17(p), or  
(More than 3 months after receipt of the International Search Report, but before final action or notice of allowance, whichever occurs first)
- ☐ under 37 CFR 1.97(d) together with:  
☐ a Statement under 37 CFR 1.97(e), as checked below, and  
☐ a \$180.00 fee under 37 CFR 1.17(p), or  
(Filed after final action or notice of allowance, whichever occurs first, but on or before payment of the issue fee)
- ☐ under 37 CFR 1.97(i):  
Applicant requests that the IDS and cited reference(s) be placed in the application filewrapper.  
(Filed after payment of issue fee)

Statement Under 37 CFR 1.97(e)

- ☐ Each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement; or
- ☐ No item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned, after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of this Information Disclosure Statement.

Statement Under 37 CFR 1.704(d) (Patent Term Adjustment)

Applies to original applications (other than design) filed on or after May 29, 2000

- ☐ Each item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in § 1.56(c) more than thirty days prior to the filing of the Information Disclosure Statement.

Enclosed herewith is form PTO-1449:

- ☒ Copies of the cited references [AL-AQ and AR] are enclosed.
- ☒ In accordance with 37 C.F.R. § 1.98 (d), copies of cited references [AA-AK, AA2-AK2, AA3-AK3, AA4-AK4, AA5-AD5 and AF5] are not enclosed as these references were entered in earlier application, U.S. Application No. 10/178,424, now Patent No. 6,610,128, to which the present application claims priority under 35 U.S.C. 120. The earlier application contains copies of the cited references.
- ☒ If copies of references [AA-AK, AA2-AK2, AA3-AK3, AA4-AK4, AA5-AF5] would benefit the Examiner of this case, the Examiner is invited to call the undersigned attorney and copies will be forwarded immediately.
- ☒ Listed references [AB, AI and AC4] were cited in the enclosed International Search Report in a counterpart foreign application.

Concise Explanation Requirement (non-English references):

- ☒ The "concise explanation" requirement (non-English references) for reference [AQ] under 37 CFR 1.98(a)(3) is satisfied by:
  - ☐ the explanation provided on the attached sheet.
  - ☐ the explanation provided in the Specification.
  - ☐ submission of the enclosed International Search Report.
  - ☒ the enclosed English language abstract.

☐ Applicant requests that the following pending applications be considered:

Examiner's  
Initials

\_\_\_\_\_  
U.S. Patent Application No. [ ], Publication No. [ ], Publication Date [ ],  
by [inventor(s)], filed [ ], Docket No.: [ ]

\_\_\_\_\_  
U.S. Patent Application No. [ ], Publication No. [ ], Publication Date [ ],  
by [inventor(s)], filed [ ], Docket No.: [ ]

\_\_\_\_\_  
U.S. Patent Application No. [ ], Publication No. [ ], Publication Date [ ],  
by [inventor(s)], filed [ ], Docket No.: [ ]

\_\_\_\_\_  
Examiner

\_\_\_\_\_  
Date

- ☐ A copy of each above-cited application, including the current claims, is enclosed.
- ☐ A copy of each above-cited application, including the current claims, is enclosed, except those entered in prior application, U.S. Application No. [ ], to which priority under 35 U.S.C. 120 is claimed.

The Examiner is requested to return a copy of the above list of pending applications indicating which references were considered with the next office communication.

It is requested that the information disclosed herein be made of record in this application.

Method of payment:

- ☐ A check for the fee noted above is enclosed, or the fee has been included in the check with the accompanying Reply. A copy of this Statement is enclosed.
- ☐ Please charge Deposit Account No. 50-1935 in the amount of \$[ ]. A copy of this Statement is enclosed.
- ☒ Please charge any deficiency in fees and credit any overpayment to Deposit Account No. 50-1935.

Respectfully submitted,

BOWDITCH & DEWEY, LLP

By 

Thomas O. Hoover

Date: *June 16, 2004*

Registration No. 32,470

Direct tel.: (508) 416-2475

Telephone: (508) 879-5700

Facsimile: (508) 929-3073

Bowditch & Dewey, LLP  
161 Worcester Road  
P.O. Box 9320  
Framingham, Massachusetts 01701-9320

PTO 1449 REPRODUCED INFORMATION DISCLOSURE CITATION IN AN APPLICATION JUN 18 2004 6/15/2004 (Use several sheets if necessary)		ATTORNEY DOCKET NO. 301500.1004-123		APPLICATION NO. 10/647,656	
APPLICANT Oleg Kishkovich et al.					
FILING DATE August 25, 2003				GROUP 1724	

  

U.S. PATENT DOCUMENTS							
EXAM- -NER INI- TIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE	
AA	3,019,127	01/30/62	Czerwonka et al.	117	33		
AB	3,409,691	11/05/68	Small	260	676		
AC	3,607,706	9/21/71	Eisenmann et al.	204	296		
AD	3,998,988	12/21/76	Shimomai et al.	428	400		
AE	Re. 29,410	09/20/77	Yoshino	427	390 R		
AF	4,072,793	02/07/78	Watanabe et al.	428	255		
AG	4,204,011	05/20/80	Tanabe et al.	427	57		
AH	4,224,415	09/23/80	Meitzner et al.	521	38		
AI	4,313,832	02/02/82	Shimizu et al.	210	663		
AJ	4,322,230	03/30/82	Schoen et al.	55	316		
AK	4,629,479	12/16/86	Cantoni	55	274		
AA2	4,852,133	7/25/89	Ikeda et al.	378	34		
AB2	4,981,501	01/01/91	Von Blucher et al.	55	316		
AC2	5,039,321	08/13/91	Satoh et al.	454	187		
AD2	5,133,864	07/28/92	Vaughn et al.	210	437		

  

FOREIGN PATENT DOCUMENTS							
DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO		
AL	EP 0335034	04 Oct 1989	Europe				
AM	EP 0398847	22 Nov 1990	Europe				
AN	WO 00/25896	11 May 2000	PCT				
AO	EP 0584030	23 Feb 1994	Europe				
AP	DE 19859788	23 March 2000	Germany				
AQ	WO 00/07696	17 Feb 2000	Japan (English Abstract Only)				X

  

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
AR	Kishkovich, O., et al., "An Accelerated Testing Technique for Evaluating Performance of Chemical Air Filters for DUV Photolithographic Equipment," SPIE Vol. 3677, pp. 857-865 (Part of the SPIE Conference on Metrology, Inspection and Process Control for Microlithography XIII, Santa Clara, CA) (March 1999)

  

EXAMINER	DATE CONSIDERED
----------	-----------------

PTO-1449 REPRODUCED  INFORMATION DISCLOSURE CITATION IN AN APPLICATION  6/15/2004 (Use several sheets if necessary)				ATTORNEY DOCKET NO. 301500.1004-123		APPLICATION NO. 10/647,656	
				APPLICANT Oleg Kishkovich et al.			
				FILING DATE August 25, 2003		GROUP 1724	
U.S. PATENT DOCUMENTS							
EXAM- INER INI- TIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
	AE2	5,166,530	11/24/92	McCleary	250	492.2	
	AF2	5,204,055	04/20/93	Sachs et al.	419	2	
	AG2	5,290,345	03/01/94	Osendorf et al.	96	129	
	AH2	5,300,604	04/05/94	Nasman et al.	526	278	
	AI2	5,306,321	04/26/94	R. Osendorf	55	487	
	AJ2	5,328,758	07/12/94	Markell et al.	428	281	
	AK2	5,340,656	08/23/94	Sachs et al.	428	546	
	AA3	5,387,380	02/07/95	Cima et al.	264	69	
	AB3	5,399,377	03/21/95	Economy et al.	427	226	
	AC3	5,430,303	07/04/95	Matsumoto et al.	250	492.2	
	AD3	5,462,485	10/31/95	D. Kinkead	454	256	
	AE3	5,486,410	01/23/96	Groeger et al.	428	283	
	AF3	5,582,865	12/10/96	Rezuke et al.	427	264	
	AG3	5,605,746	02/25/97	Groeger et al.	442	347	
	AH3	5,607,647	03/04/97	D. Kinkead	422	122	
	AI3	5,616,169	04/01/97	De Ruiter et al.	95	90	
	AJ3	5,626,820	05/06/97	Kinkead et al.	422	122	
	AK3	5,647,356	07/15/97	Osendorf et al.	128	206.17	
	AA4	5,685,895	11/11/97	Hagiwara et al.	96	117	
	AB4	5,743,927	04/28/98	R. Osendorf	55	497	
	AC4	5,753,345	05/19/98	Kuma et al.	428	143	
	AD4	5,772,884	06/30/98	Tanaka et al.	210	500.36	
	AE4	5,783,608	07/21/98	Sugo et al.	521	29	
	AF4	5,807,424	09/15/98	De Ruiter et al.	95	148	
	AG4	5,833,726	11/10/98	Kinkead et al.	55	356	
	AH4	5,834,114	11/10/98	Economy et al.	428	368	
EXAMINER				DATE CONSIDERED			

PTO-1449 REPRODUCED  INFORMATION DISCLOSURE CITATION IN AN APPLICATION  6/15/2004 (Use several sheets if necessary)				ATTORNEY DOCKET NO. 301500.1004-123		APPLICATION NO. 10/647,656	
				APPLICANT Oleg Kishkovich et al.			
				FILING DATE August 25, 2003		GROUP 1724	
U.S. PATENT DOCUMENTS							
EXAM- INER INI- TIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
	AI4	5,856,198	01/05/99	Joffe et al.	436	100	
	AJ4	5,890,367	04/06/99	You et al.	454	187	
	AK4	5,906,429	05/25/99	Mori et al.	362	293	
	AA5	5,944,878	08/31/99	Lindhe	96	132	
	AB5	6,056,805	05/02/00	Litwin et al	95	143	
	AC5	6,352,579	03/05/02	Hirata et al.	96	134	
	AD5	6,447,584	09/10/02	Kishkovich et al.	96	153	
	AE5	6,610,128	08/26/03	Kishkovich et al.	96	153	
	AF5	2002/0078828		Kishkovich et al.			05/04/01
EXAMINER				DATE CONSIDERED			